

ABSTRACT

An apparatus for treating metal-working fluid comprises: a heating vessel for receiving and holding metal-working fluid for treatment; a heater for heating the metal-working fluid in the heating vessel; an agitator for agitating the metal-working fluid within the heating vessel; an aerator for aerating the metal-working fluid within the heating vessel; and a holding vessel for receiving from the heating vessel and holding treated metal-working fluid. During heating, heated ambient air may be drawn through air inlets and through the fluid to agitate and aerate the fluid, thereby ensuring uniform heating and extracting gaseous contaminants. Mist and/or gaseous contaminants may be removed from the airflow prior to its release into the environment. Concentration in the metal-working fluid of at least one metal may be reduced using an ion-exchange filter.